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State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

November 12, 2015

John Hadfield
TM Crushing, LLC
1850 North 1450 West
Lehi, Utah 84045

Subject: Initial Review Notice of Intention to Commence Small Mining Operations, TM Crushing, LLC, Glenwood Gravel Pit Mine, S/035/0050, Salt Lake County, Utah

Dear Mr. Hadfield:

The Division of Oil, Gas and Mining has reviewed the referenced Notice of Intention to Commence Small Mining Operations (NOI) received on October 29, 2015, and the following items will need to be addressed before the NOI can be determined complete:

1. Please submit a cultural resources survey report (CRS) as required by Utah Code Annotated 9-8-404 and as noted by paragraph 2 on page 1 of form MR-SMO which you have submitted. Based on the information in this report, the Division can make a determination whether the mine will affect cultural resources.
2. Page 3, II. 1. Add the NE $\frac{1}{4}$ of the SW $\frac{1}{4}$, if indeed that is the quarter-quarter section that you intend to mine.
3. Drivers Map. Please label as Figure 1.
4. "Second Map." Please label as Figure 1. The second map needs to be enlarged to show the details of the operation. As currently shown, the area shown is in excess of 22.9 acres, not including the 1.3-acre roadway and the topsoil stockpiles. The Division may have additional questions in the future based on the corrected map.
5. Page 4, III.3. The estimate of how much material you potentially want to mine does not include units. The amount of material needs to be consistent based on the requested surface disturbance.
6. Page 4, III.4. Will water be used for dust suppression?
7. Page 4, III.5. & Attachment A. Please list all equipment that will be left on site.
8. Page 4, III.5. & Attachment A. Please note whether any culverts will be installed.
9. Page 4, III.5. & Attachment A. Please note hours of operation.
10. Page 4, III.5. & Attachment A. Please note the angle of highwalls during and after mining (reclamation). This needs to be consistent with the post mining land use on page 3.



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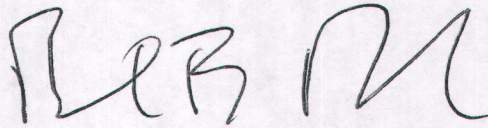
Please provide your response as replacement pages to the original NOI, using Form MR-REV-SMO/EXP, available on the Division's web site at www.ogm.utah.gov.

The reclamation surety amount cannot be calculated at this time, due to inconsistencies in the detail map and attachment A.

As a side note, please be aware that a sand and gravel operation, as defined in the R647 rules, is exempt from regulation by the Division of Oil, Gas and Mining. **However, it must be noted that the material being mined can change laterally or vertically, and the area would no longer be exempt by rule.**

Please call Leslie Heppler at 801-538-5257 or me at 801-538-5261 if you have questions concerning this letter. In reply, please refer to file number S/035/0050. Thank you for your cooperation.

Sincerely,

A handwritten signature in black ink, appearing to read 'PBB M', is positioned above the printed name of Paul B. Baker.

Paul B. Baker
Minerals Program Manager

PBB: lah: eb

cc: Harry Campbell and Woody Campbell, Water Quality (hcampbell@utah.gov wwcampbell@utah.gov)
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